



115 East Marlin, Suite 108, McPherson, KS 67460
(620) 241-6090; www.geostatenvironmental.com

September 3, 2014

Akhter Hossain, PE
Engineering Associate
Kansas Department of Health and Environment
Bureau of Waste Management
Hazardous Waste Permits Section
Curtis State Office Building
1000 SW Jackson, Suite 320
Topeka, KS 66612-1366

RCRA



534237

**RE: Revised Submittal & Certification of Building D and Rafter Tank Rinsate Sample Results,
Clean Harbors Facility
Wichita, Kansas**

Dear Mr. Hossain;

In conjunction with and on behalf of Clean Harbors (CH), GeoStat Environmental, LLC (GeoStat), iSi Environmental (iSi), and Cameron-Cole (C C) are cooperatively providing this revised cover and attached revisions to the August 25, 2014 submittal of analytical results in support of RCRA closure activities at the subject site. The intent of this transmittal is to provide analytical results to KDHE and USEPA to determine the suitability of these materials for on-site and off-site disposal. A stamped and signed certification stating that the rinsate sampling effort(s) were observed and overseen by a Kansas Professional Engineer is also provided. Subsurface soil samples were not observed by the certifying engineer and are therefore not subject to certification.

Building D had previously been emptied of permitted waste and/or waste processing equipment prior to the commencement of site activities. Decontamination began with general cleaning, and power-washing of Building D and the enclosed Rafter Tanks which began on January 13, 2014. Please note that the Boiler and Maintenance Rooms within Building D were not permitted for and were never known to have been used for storage of waste materials. Therefore the Boiler and Maintenance rooms were not washed, rinsed, or sampled. Waste water and any silts and/or solids generated during the decontamination and rinsing of the on-site buildings and tanks has been contained in a large frac tank on-site (Tank No. SV 34730L). Waste water generated during decontamination activities at the Site will be transported off-site for disposal at an appropriate facility once a sufficient volume of rinse water has been generated. Misc. piping, fittings, and small equipment, and any residual materials contained within that was removed for access to tanks for cleaning, or was too small for effective decontamination was removed and cut-up or reduced in size for disposal at Lone Mountain. These items were appropriately contained (drums or roll-off boxes), characterized, manifested, and transported for disposal.

Hazardous waste inventories and manifest information will be submitted under separate cover at a later date.

Triple rinsing was followed by the collection of the initial rinsate sample round, which occurred on January 29 and 30, 2014. Results of the initial sampling round indicated that some low level volatile organic constituents were detected within the rinsate, CH elected to re-wash, rinse, and re-sample rinsate from several of these areas or tanks, the resampling occurred on February 19 and 24, 2014. About half of the rafter tanks were not sampled initially, and were then sampled during the February 24, 2014 sampling event. Results of the second round of rinsate sampling demonstrated lower levels of organics and lower levels of common metals and mineral compounds.

In addition to the analytes mentioned above, bis(2-Ethylhexyl)phthalate (DEHP) was detected in many of the rinsate sample results. DEHP is a very common and ubiquitous plasticizer chemical found in plastics. DEHP is the most common of the class of phthalates which are used as plasticizers, accounting for an almost 54% market share in 2010. Due to its suitable properties and the low cost, DEHP is widely used as a plasticizer in manufacturing of articles made of PVC. Plastics may contain 1% to 40% of DEHP. It is also used as a hydraulic fluid and as a dielectric fluid in capacitors. DEHP is also used as a solvent in glowsticks. Approximately three billion kilograms are produced annually worldwide.[2] It is estimated that at least 241 million pounds of dioctyl phthalates were produced in the US in 1999, so DEHP is a High Production Volume Chemical. The most probable route of exposure to DEHP is through food, with an average contribution of DEHP from food of 0.25 milligrams per day (mg/d). DEHP migrates into food from plastics during processing and storage. DEHP is common in plastics used in medical procedures and laboratories, and as such is a common lab contaminant. Sources: Wikipedia On-line Article 9/3/14 "Bis(2-ethylhexyl) phthalate"; USEPA Technology Transfer Network - Air Toxics Web Site, Bis(2-ethylhexyl) phthalate (DEHP) 117-81-7.

Room 7 of Building D was only recently cleaned and triple rinsed beginning July 28, 2014 with rinsate sampling occurring on July 31, 2014. The delay in rinsing and sampling Room 7 was partially due to work progression on other areas of the site, and also due to Room 7 having a deteriorated soft ceiling consisting of gypsum drywall ~1/2" thick, the drywall was missing in areas where it had already fallen down and was wet (soft and loose) in others. However, much of the ceiling required the drywall be physically scraped from the ceiling, prior to pressure washing the cement above the drywall. This drywall material was added to the misc. solid materials (PPE, Piping, etc...) roll-off box that was disposed of as hazardous waste.. Hazardous waste inventories and manifest information will be submitted at a later date.

Based upon these results, Clean Harbors believes that the above grade building materials from Building D, including the cement block walls are suitable for re-use as on-site backfill (as broken & reduced size cement blocks). Large metals items contained within the building (steel tanks and rafters) should be recycled as metal scrap. Porous building debris, such as roof decking materials, wood, and glass will not be used on-site, per the approved workplan, and will be disposed as C&D wastes as applicable and approved under separate KHDE C&D permits and waste disposal guidelines.

RFI activities (uncertified soil sampling activities) have already identified soil concentrations exceeding interim action objectives in soil immediately beneath the floor throughout almost all of Building D. Therefore, Building D's concrete flooring will be removed and segregated for disposal as hazardous waste during demolition of the building.

However, should excavation activities demonstrate that larger than expected sections of flooring within Building D are apparently not underlain with impacted soils, Clean Harbor's may then elect to separate areas of suspected clean concrete flooring material. In consultation with KDHE and USEPA appropriate under slab soil samples would then be collected, and laboratory analyzed.

Options for the disposition of the Building D concrete floor slab include;

1. On-site re-use as backfill (as broken concrete) for concrete slabs overlying soils where contamination has been demonstrated to be below interim action objectives, or
2. Off-site hazardous waste disposal (Lone Mountain) for concrete flooring overlying shallow soil concentrations exceeding interim action objectives immediately beneath the floor.

Clean Harbor's may also elect to segregate areas of suspected clean and suspected impacted concrete flooring (stained, odors, ...) as building demolition occurs. In consultation with KDHE and USEPA appropriate numbers and location of under slab soil samples will be identified, samples collected, and laboratory analyzed.

Under a separate cover letter, results will be provided to KDHE/USEPA only for determination of the disposition of the building's concrete floor slabs, not for RCRA closure determinations. Analytical results (tabulated and full reports) from any shallow under slab soil sampling, along with mapping identifying locations, will be included within any submittal.

RINSATE SAMPLE CERTIFICATION

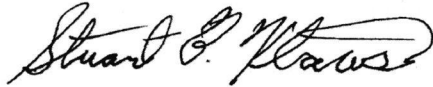
Clean Harbors hereby certifies, through the undersigned third party independent Kansas licensed Professional Engineer, that the attached rinsate sampling documentation, mapping, and laboratory analytical results are representative of the areas or surfaces identified therein. Further that these areas or surfaces identified have been effectively cleaned and rinsate sampled in general accordance to the Partial Closure Plan for Buildings B, D and J approved by KDHE/USEPA on October 10, 2013.

I hereby certify under penalty of law that this document and all attachments concerning rinsate results were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

The entire Clean Harbor team appreciates the continued joint cooperation of KDHE and USEPA on this project and we look forward to your timely response to this submittal. Please call me at (620) 245-4675, if you have any questions regarding this certification.

September 3, 2014
Mr. Akhter Hossain, PE
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Sincerely,
GeoStat Environmental, LLC



Stuart B. Klaus, PE
Senior Engineer



SUBMITTAL ATTACHMENTS:

1. Revised Spreadsheet of Building D Room Rinsate Analytical Results
(Only tab "Bld D Resample Table 021914" revised)

cc: Chris Jump, USEPA

Martin Smith, Clean Harbors

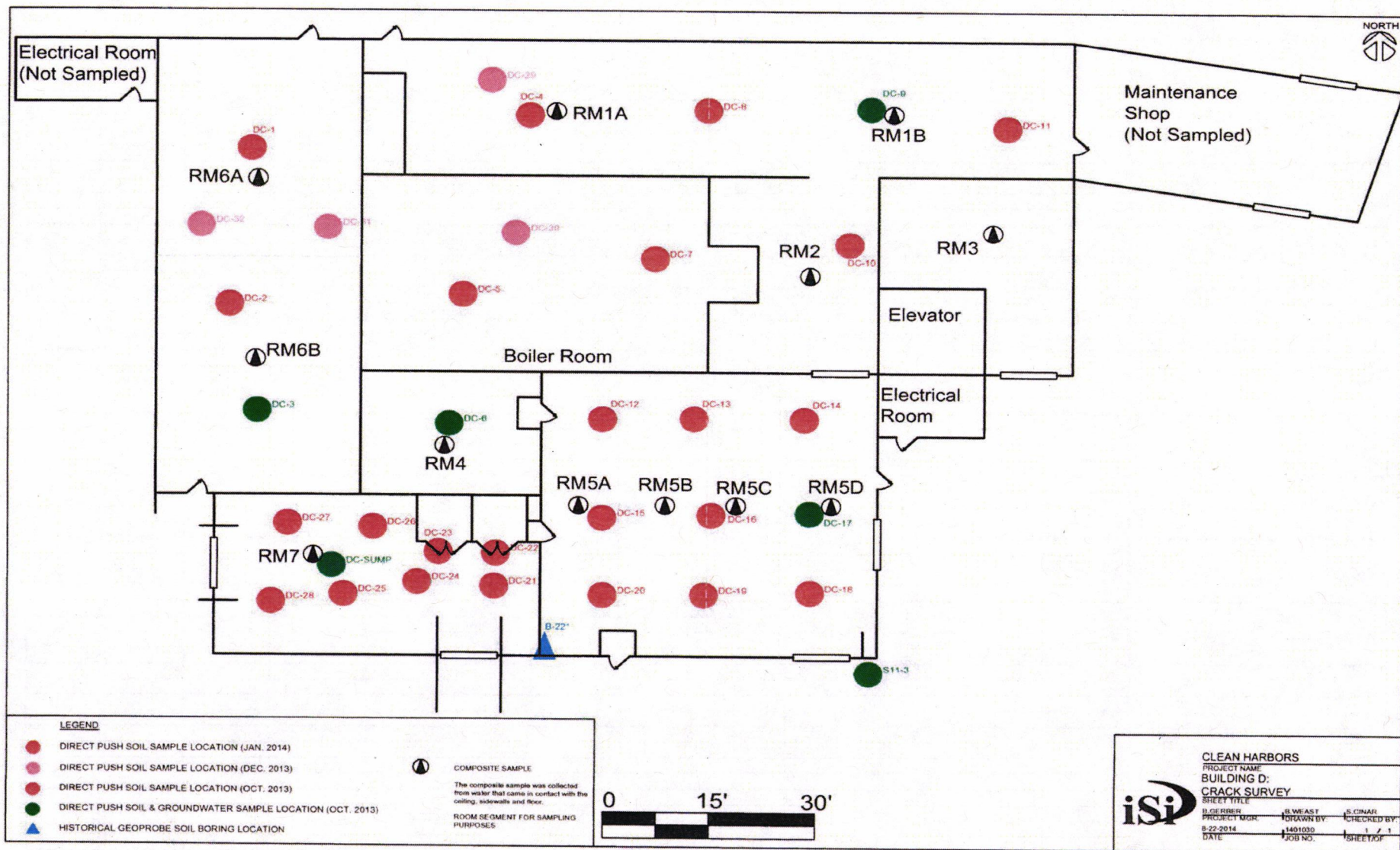
Michael Stephenson, Cameron & Cole

Brady Gerber, iSi Environmental

CLEAN HARBORS, WICHITA, KS **Building D - Analytical Results**

Tab		Description and Comments
Building D	Contents	This listing of the Excel Worksheet Contents.
	Site Map	Drawing Showing Locations of Structures Sampled at the Facility.
	Bld D Figure	Drawing of Building D Showing Sample Locations as Separated into Rooms (RM#).
	Bld D Decon Summary	Summary of Decontamination and rinsate sampling events.
	Bld D Table	Table of Building D Analytical Results with comparison to KDHE Tier II RSK Levels.
	Bld D Resample Table	Table of Building D Analytical Results with comparison to KDHE Tier II RSK Levels.
	Bld D Resample Table II	Table of Building D Analytical Results with comparison to KDHE Tier II RSK Levels.
	Bld D Filtered Results	Table of select Building D Laboratory Filtered Analytical Results with comparison to KDHE Tier II RSK Levels.
	Bld D D&F	Table of Building D Dioxin/Furan Analytical Results with comparison to KDHE Tier II RSK Levels.

Notes: Bld = Building, D&F = Dioxin & Furan



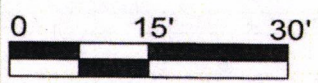
LEGEND

- DIRECT PUSH SOIL SAMPLE LOCATION (JAN. 2014)
- DIRECT PUSH SOIL SAMPLE LOCATION (DEC. 2013)
- DIRECT PUSH SOIL SAMPLE LOCATION (OCT. 2013)
- DIRECT PUSH SOIL & GROUNDWATER SAMPLE LOCATION (OCT. 2013)
- ▲ HISTORICAL GEOPROBE SOIL BORING LOCATION



COMPOSITE SAMPLE
The composite sample was collected from water that came in contact with the ceiling, sidewalls and floor.

ROOM SEGMENT FOR SAMPLING PURPOSES



CLEAN HARBORS			
PROJECT NAME			
BUILDING D:			
CRACK SURVEY			
SHEET TITLE			
PROJECT MGR.	DRAWN BY	CHECKED BY	
8-22-2014	1401030	1 / 1	
DATE	JOB NO.	SHEET NO.	

**Clean Harbors Wichita
Building D Decontamination Summary**

Unit	Comments	Inventory	Decontamination Complete (date)	Rinsate Samples Collected (PE Required) (date)	Internal Review	Follow up Actions	Submitted to State/EPA (date)	Determination	Agency Determination Via? (phone, email etc.)	Date
Room 1A		None	1/13/2014 to 1/22/2014	1/30/2014	Organic exceedances	Repeat Decon				
		None	2/13/2014 to 2/18/2014	2/19/2014	Organics pass	submit results				
Room 1B		None	1/13/2014 to 1/22/2014	1/30/2014	Organic exceedances	Repeat Decon				
		None	2/13/2014 to 2/18/2014	2/19/2014	Organics pass	submit results				
Room 2		None	1/13/2014 to 1/22/2014	1/30/2014	Organic exceedances	Repeat Decon				
		None	2/13/2014 to 2/18/2014	2/19/2014 and 2/24/2014	Organics pass	submit results				
Room 3		None	1/13/2014 to 1/22/2014	1/29/2014	Organic exceedances	Repeat Decon				
		None	2/13/2014 to 2/18/2014	2/19/2014	Organics pass	submit results				
Room 4		None	1/13/2014 to 1/22/2014	1/29/2014	Organic exceedances	Repeat Decon				
		None	2/13/2014 to 2/18/2014	2/19/2014	Organics pass	submit results				
Room 5A		Above-ground storage tank.	1/13/2014 to 1/22/2014	1/30/2014	Organic exceedances	Repeat Decon				
		None	2/13/2014 to 2/18/2014	2/19/2014	Organics pass	submit results				
Room 5B		None	1/13/2014 to 1/22/2014	1/30/2014	Organic exceedances	Repeat Decon				
		None	2/13/2014 to 2/18/2014	2/19/2014	Organics pass	submit results				
Room 5C		None	1/13/2014 to 1/22/2014	1/30/2014	Organic exceedances	Repeat Decon				
		None	2/13/2014 to 2/18/2014	2/19/2014	Organics pass	submit results				
Room 5D		None	1/13/2014 to 1/22/2014	1/30/2014	Organic exceedances	Repeat Decon				
		None	2/13/2014 to 2/18/2014	2/19/2014	Organics pass	submit results				
Room 6A		Piping Associated with Nested Tanks.	1/13/2014 to 1/22/2014	1/31/2014	Organic exceedances	Repeat Decon				
		None	2/13/2014 to 2/18/2014	2/19/2014	Organics pass	submit results				
Room 6B		Piping Associated with Nested Tanks.	1/13/2014 to 1/22/2014	1/31/2014	Organic exceedances	Repeat Decon				
		None	2/13/2014 to 2/18/2014	2/19/2014	Organics pass	submit results				
Room 7		None	7/28/2014 to 7/31/14	7/31/2014	Organics pass	submit results				

Inventory - List all items removed from unit and provide reference to location where they were moved (e.g. manifest number, tank number for rinse water, etc.). Use separate sheet if necessary.
LM - Lone Mountain.

Accutest Laboratories Southeast, Inc.																				Mar 04, 2014 16:01 pm											
Job Number:		FA12102, FA12103, FA12143																													
Account:		ISI Environmental Services																													
Project Number:		Clean Harbors: Wichita,KS																													
Project Number:																															

Legend:																Detection	Exceed		
Client Sample ID:	KS Tier 2 Risk Based Standards Residential GW (KDHE 03/2014)	TAP WATER	BLD D RM 1A	BLD D RM 1B	BLD D RM 2	BLD D RM 3	BLD D RM 4	BLD D RM 5A	BLD D RM 5B	BLD D RM 5C	BLD D RM 5D	BLD D RM 6A	BLD D RM 6B	BLD D RM 7*	DUP 1 (BLD D RM 2)	TRIP BLANK	TRIP BLANK	TRIP BLANK	
Lab Sample ID:		FA12080-8	FA12103-1	FA12103-2	FA12103-3	FA12102-5	FA12102-4	FA12103-8	FA12103-7	FA12103-5	FA12103-4	FA12143-6	FA12143-7	60174820001	FA12103-10	FA12102-6	FA12143-9	FA12103-11	
Date Sampled:		1/28/2014	1/30/2014	1/30/2014	1/30/2014	1/29/2014	1/29/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/31/2014	1/31/2014	7/31/2014	1/30/2014	1/29/2014	1/31/2014	1/30/2014
Matrix:		Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Trip Blank Water	Trip Blank Water	Trip Blank Water

QC/MS Volatiles (SW846 8200B)																			
Acetone	ug/l	11500	ND (11)	ND (11)	ND (11)	ND (11)	ND (53) ^a	ND (11)	23.3 J	ND (11)	ND (11)	ND (11)	27.5	17.9 J	ND(25.0)	ND (11)	ND (11)	ND (11)	ND (11)
Acrolein	ug/l	0.0415	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (32)	ND (6.4)	7.9 J	ND (6.4)	ND (6.4)	8.6 J	10.1 J	ND (6.4)	ND(20.0)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)
Acrylonitrile	ug/l	0.491	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (10)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND(10)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzene	ug/l	5	ND (0.24)	0.94 J	1.8	0.77 J	ND (1.2)	1.7	4.7	1.7	2	2.6	2.5	0.92 J	ND(1.0)	0.65 J	ND (0.24)	ND (0.24)	ND (0.24)
Bromobenzene	ug/l	-	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (1.6)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND(1.0)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
Bromochloromethane	ug/l	-	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (1.9)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND(1.0)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Bromodichloromethane	ug/l	80	8.6	ND (0.26)	0.45 J	ND (0.26)	ND (1.3)	ND (0.26)	ND (0.26)	0.51 J	1.3	ND (0.26)	ND (0.26)	4.5	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
Bromoform	ug/l	80	2.1	ND (0.38)	1.3	ND (0.38)	ND (1.9)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	1.3	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
n-Butylbenzene	ug/l	169	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (1.5)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND(1.0)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
sec-Butylbenzene	ug/l	30.5	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (1.4) ^b	ND (0.27)	ND (0.27) ^a	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND(1.0)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
tert-Butylbenzene	ug/l	-	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (1.4)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND(1.0)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Chlorobenzene	ug/l	100	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (1.2)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND(1.0)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
Chloroethane	ug/l	14000	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (2.5)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND(2.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chloroform	ug/l	80	6.7	ND (0.31)	ND (0.31)	ND (0.31)	ND (1.6)	ND (0.31)	ND (0.31)	ND (0.31)	0.39 J	0.97 J	ND (0.31)	ND (0.31)	4.2	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
o-Chlorotoluene	ug/l	88.9	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (1.1)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND(1.0)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
p-Chlorotoluene	ug/l	-	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (1.5)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND(1.0)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
2-Chloroethyl vinyl ether	ug/l	-	ND (1.0) ^a	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND(5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Carbon disulfide	ug/l	716	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND(2.0)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Carbon tetrachloride	ug/l	5	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (2.0)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND(1.0)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
1,1-Dichloroethane	ug/l	25	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (1.3)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND(1.0)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
1,1-Dichloroethylene	ug/l	7	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (1.3)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND(1.0)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
1,1-Dichloropropene	ug/l	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (1.4)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND(1.0)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
1,2-Dibromo-3-chloropropane	ug/l	0.2	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (3.9)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND(2.0)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
1,2-Dibromoethane	ug/l	0.05	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (1.2)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND(1.0)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichloroethane	ug/l	5	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (1.2)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND(1.0)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichloropropane	ug/l	5	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (1.8)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND(1.0)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)
1,3-Dichloropropane	ug/l	-	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (1.7)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND(1.0)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
2,2-Dichloropropane	ug/l	-	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (1.7)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND(1.0)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Dibromochloromethane	ug/l	80	9.3	ND (0.36)	0.58 J	ND (0.36)	ND (1.8)	ND (0.36)	ND (0.36)	0.52 J	1.3	ND (0.36)	ND (0.36)	4.5	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)
Dichlorodifluoromethane	ug/l	366	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (1.7) ^b	ND (0.33)	ND (0.33) ^a	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND(2.0)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
cis-1,2-Dichloroethylene	ug/l	70	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (1.6)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND(1.0)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
cis-1,3-Dichloropropene	ug/l	-	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (1.0)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND(1.0)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
m-Dichlorobenzene	ug/l	-	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND(1.0)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
o-Dichlorobenzene	ug/l	600	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (1.5)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND(1.0)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
p-Dichlorobenzene	ug/l	75	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND(1.0)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
trans-1,2-Dichloroethylene	ug/l	100	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (1.7)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND(1.0)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
trans-1,3-Dichloropropene	ug/l	-	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (1.1)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND(1.0)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
Ethylbenzene	ug/l	700	ND (0.28)	ND (0.28)	0.70 J	ND (0.28)	ND (1.4)	0.48 J	1.9	0.62 J	0.67 J	0.73 J	1.2	ND (0.28)	ND(1.0)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
2-Hexanone	ug/l	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (10)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND(10.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Hexachlorobutadiene	ug/l	6.32	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (2.5)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND(2.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Isopropylbenzene	ug/l	451	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND(1.0)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
p-Isopropyltoluene	ug/l	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (1.2)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND(1.0)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
4-Methyl-2-pentanone	ug/l	1020	ND (1.0)	1.7 J	ND (1.0)	1.3 J	ND (5.0)	ND (1.0)	ND (1.0)	1.2 J	2.6 J	ND (1.0)	ND (1.0)	ND(5.0)	1.1 J	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methyl bromide	ug/l	7.02	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (2.7)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND(2.0)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
Methyl chloride	ug/l	127	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (2.7)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND(1.0)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
Methylene bromide	ug/l	-	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (1.5)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND(2.0)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Methylene chloride	ug/l	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (10)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND(5.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Methyl ethyl ketone	ug/l	4920	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (7.4)	ND (1.5)	1.8 J	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND(5.0)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)
Methyl Tert Butyl Ether	ug/l	133	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND(1.0)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Naphthalene	ug/l	1.11	ND (1.0)	ND (1.0)	2.0 J	ND (1.0)	ND (5.0)	1.3 J	4.3	2.8 J	2.9 J	2.4 J	5.7	2.0 J	ND(5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
n-Propylbenzene	ug/l	660	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (1.2) ^b	ND (0.24)	0.36 J ^a	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND(1.0)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
Styrene	ug/l	100	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (1.2)	ND (0.23)	0.61 J	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND(1.0)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
1,1,1,2-Tetrachloroethane	ug/l	5.35	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (1.3)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND(1.0)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
1,1,1-Trichloroethane	ug/l	200	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (1.7)	0.41 J	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND(1.0)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
1,1,2,2-Tetrachloroethane	ug/l	0.694	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (1.4)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND(1.0)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)

Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 03/2014)	TAP WATER	BLD D RM 1A	BLD D RM 1B	BLD D RM 2	BLD D RM 3	BLD D RM 4	BLD D RM 5A	BLD D RM 5B	BLD D RM 5C	BLD D RM 5D	BLD D RM 6A	BLD D RM 6B	BLD D RM 7	DUP 1 (BLD D RM 2)	TRIP BLANK	TRIP BLANK	TRIP BLANK
Lab Sample ID:			FA12090-8	FA12103-1	FA12103-2	FA12103-3	FA12102-5	FA12102-4	FA12103-8	FA12103-7	FA12103-5	FA12103-4	FA12143-6	FA12143-7	60174820001	FA12103-10	FA12102-6	FA12143-9	FA12103-11
Date Sampled:			1/26/2014	1/30/2014	1/30/2014	1/30/2014	1/29/2014	1/29/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/31/2014	1/31/2014	7/31/2014	1/30/2014	1/29/2014	1/31/2014	1/30/2014
Matrix:			Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Trip Blank Water	Trip Blank Water	Trip Blank Water
1,1,2-Trichloroethane	ug/l	5	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (1.6)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (1.0)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)
1,2,3-Trichlorobenzene	ug/l	-	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (2.5)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2,3-Trichloropropane	ug/l	0.00468	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (2.9)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (2.0)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)
1,2,4-Trichlorobenzene	ug/l	70	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (2.5)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2,4-Trimethylbenzene	ug/l	8.44	ND (0.24)	ND (0.24)	0.35 J	ND (0.24)	ND (1.2)	0.69 J	3.5	0.98 J	1.1 J	0.98 J	2.6	0.69 J	ND (2.0)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,3,5-Trimethylbenzene	ug/l	44	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (1.0)	ND (0.20)	0.84 J	0.25 J	0.23 J	0.23 J	0.67 J	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Tetrachloroethylene	ug/l	5	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (1.3)	0.49 J	0.27 J	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (1.0)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
Toluene	ug/l	1000	ND (0.20)	0.79 J	3.4	0.64 J	ND (1.0)	2.5	9.6	2.9	3.2	4.3	6.2	1.4	ND (1.0)	0.52 J	ND (0.20)	ND (0.20)	ND (0.20)
Trichloroethylene	ug/l	5	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (1.5)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (1.0)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
Trichlorofluoromethane	ug/l	1090	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (2.5)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (2.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Vinyl chloride	ug/l	2	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (1.6)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (1.0)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Vinyl Acetate	ug/l	406	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (10)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (10.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
m,p-Xylene	ug/l	10000	ND (0.48)	ND (0.48)	1.8 J	ND (0.48)	ND (2.4)	1.6 J	6.8	2	2	2.4	5	1.0 J	ND (2.0)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
o-Xylene	ug/l	10000	ND (0.20)	0.26 J	1.2	0.21 J	ND (1.0)	0.82 J	3.6	1.2	1.1	1.3	2.5	0.56 J	ND (1.0)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
GC/MS Semi-volatiles (SW846 8270D)																			
Benzoic Acid	ug/l	-	ND (38)	22.2 J	10.8 J	ND (9.4)	ND (38)	58.4	73.8	25.2 J	81.3	69.2	ND (9.3) ¹	94.0 ¹	ND (50.0)	12.7 J ¹	-	-	-
2-Chlorophenol	ug/l	-	ND (2.0)	ND (0.49)	ND (0.49)	ND (0.49)	ND (2.0)	0.73 J	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (5.0)	ND (0.49)	-	-	-
4-Chloro-3-methyl phenol	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (5.0)	ND (0.47)	-	-	-
2,4-Dichlorophenol	ug/l	41.2	ND (2.2)	ND (0.54)	ND (0.54)	ND (0.54)	ND (2.2)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (5.0)	ND (0.54)	-	-	-
2,4-Dimethylphenol	ug/l	292	ND (1.9)	1.2 J	ND (0.47)	ND (0.47)	7.5 J	3.4 J	1.9 J	0.84 J	1.0 J	1.2 J	4.0 J	0.58 J	ND (5.0)	ND (0.47)	-	-	-
2,4-Dinitrophenol	ug/l	31	ND (21)	ND (5.1)	ND (5.1)	ND (5.1)	ND (21)	ND (5.1)	ND (5.1)	ND (5.1)	ND (5.1)	ND (5.1)	ND (5.1)	ND (5.1)	ND (25.0)	ND (5.1)	-	-	-
4,6-Dinitro-o-cresol	ug/l	-	ND (7.5)	ND (1.9)	ND (1.9)	ND (1.9)	ND (7.5)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (10.0)	ND (1.9)	-	-	-
2-Methylphenol	ug/l	744	ND (1.9)	0.81 J	ND (0.47)	ND (0.47)	ND (1.9)	1.4 J	4.3 J	2.1 J	2.1 J	2.5 J	2.1 J	7.3	ND (5.0)	ND (0.47)	-	-	-
3,4-Methylphenol	ug/l	-	ND (4.4)	2.6 J	2.0 J	ND (1.1)	5.1 J	5.3	6.7	2.7 J	3.5 J	4.2 J	1.5 J	15.1	ND (5.0)	ND (1.1)	-	-	-
2-Nitrophenol	ug/l	-	ND (2.3)	5.4	3.7 J	2.6 J	ND (2.3)	0.78 J	1.0 J	ND (0.56)	1.5 J	1.6 J	ND (0.56)	0.62 J	ND (5.0)	2.4 J	-	-	-
4-Nitrophenol	ug/l	-	ND (19)	5.2 J	ND (4.7)	ND (4.7)	ND (19)	ND (4.7)	5.8 J	ND (4.7)	6.0 J	6.7 J	ND (4.7)	ND (4.7)	ND (25.0)	ND (4.7)	-	-	-
Pentachlorophenol	ug/l	1	ND (19)	ND (4.7)	ND (4.7)	ND (4.7)	ND (19)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (25.0)	ND (4.7)	-	-	-
Phenol	ug/l	4560	ND (1.9)	14.7	6	3.3 J	19	24.9	13.4	7.5	16.1	12	47.7	25.6	6.6	2.9 J	-	-	-
2,4,5-Trichlorophenol	ug/l	1260	ND (3.7)	ND (0.92)	ND (0.92)	ND (0.92)	ND (3.7)	ND (0.92)	ND (0.92)	ND (0.92)	ND (0.92)	ND (0.92)	ND (0.91)	ND (0.92)	ND (5.0)	ND (0.92)	-	-	-
2,4,6-Trichlorophenol	ug/l	12.7	ND (2.1)	ND (0.52)	ND (0.52)	ND (0.52)	ND (2.1)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (5.0)	ND (0.52)	-	-	-
Acenaphthene	ug/l	253	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (5.0)	ND (0.47)	-	-	-
Acenaphthylene	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	1.9 J	1.1 J	ND (0.47)	ND (0.47)	0.94 J	0.90 J	ND (5.0)	ND (0.47)	-	-	-
Aniline	ug/l	-	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.93)	ND (0.94)	ND (5.0)	ND (0.94)	-	-	-
Anthracene	ug/l	1150	ND (2.3)	ND (0.58)	ND (0.58)	ND (0.58)	ND (2.3)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (5.0)	ND (0.58)	-	-	-
Benidine	ug/l	0.00367	ND (19)	ND (4.7)	ND (4.7)	ND (4.7)	ND (19)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (25.0)	ND (4.7)	-	-	-
Benzo(a)anthracene	ug/l	0.223	ND (2.4)	ND (0.61)	ND (0.61)	ND (0.61)	ND (2.4)	ND (0.61)	ND (0.61)	0.67 J	ND (0.61)	ND (0.61)	ND (0.60)	ND (0.61)	ND (5.0)	ND (0.61)	-	-	-
Benzo(a)pyrene	ug/l	0.2	ND (2.5)	ND (0.62)	ND (0.62)	ND (0.62)	ND (2.5)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.61)	ND (0.62)	ND (5.0)	ND (0.62)	-	-	-
Benzo(b)fluoranthene	ug/l	0.16	ND (2.7)	ND (0.67)	ND (0.67)	ND (0.67)	ND (2.7)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (5.0)	ND (0.67)	-	-	-
Benzo(g,h,i)perylene	ug/l	-	ND (3.0)	ND (0.76)	ND (0.76)	ND (0.76)	ND (3.0)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.75)	ND (0.76)	ND (5.0)	ND (0.76)	-	-	-
Benzo(k)fluoranthene	ug/l	1.62	ND (1.9)	ND (0.48)	ND (0.48)	ND (0.48)	ND (1.9)	ND (0.48)	0.54 J	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (5.0)	ND (0.48)	-	-	-
4-Bromophenyl phenyl ether	ug/l	-	ND (2.5)	ND (0.63)	ND (0.63)	ND (0.63)	ND (2.5)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63) ¹	ND (0.63) ¹	ND (5.0)	ND (0.63) ¹	-	-	-
Butyl benzyl phthalate	ug/l	333	ND (3.1)	0.83 J	0.92 J	1.4 J	9.6 J	5	2.5 J	3.5 J	1.8 J	2.0 J	5.4	5.7	ND (5.0)	0.98 J	-	-	-
Benzyl Alcohol	ug/l	-	ND (3.8)	11.3	10.2	5.8	11.1 J	7.4	30.1	36.7	46.1	22	32.1	26.2	ND (5.0)	3.4 J	-	-	-
2-Chloronaphthalene	ug/l	344	ND (2.1)	ND (0.52)	ND (0.52)	ND (0.52)	ND (2.1)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (5.0)	ND (0.52)	-	-	-
4-Chloroaniline	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (5.0)	ND (0.47)	-	-	-
Carbazole	ug/l	28.7	ND (2.3)	ND (0.58)	ND (0.58)	ND (0.58)	ND (2.3)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (5.0)	ND (0.58)	-	-	-
Chrysene	ug/l	22.3	ND (2.7)	ND (0.68)	ND (0.68)	ND (0.68)	ND (2.7)	ND (0.68)	ND (0.68)	1.0 J	ND (0.68)	ND (0.67)	ND (0.68)	ND (0.68)	ND (5.0)	ND (0.68)	-	-	-
bis(2-Chloroethoxy)methane	ug/l	-	ND (2.1)	ND (0.52)	ND (0.52)	ND (0.52)	ND (2.1)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.51)	ND (0.52)	ND (5.0)	ND (0.52)	-	-	-
bis(2-Chloroethyl)ether	ug/l	0.124	ND (2.6)	ND (0.65)	ND (0.65)	ND (0.65)	ND (2.6)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.64)	ND (0.65)	ND (5.0)	ND (0.65)	-	-	-
bis(2-Chloroisopropyl)ether	ug/l	-	ND (2.2)	ND (0.55)	ND (0.55)	ND (0.55)	ND (2.2)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.54)	ND (0.55)	ND (5.0)	ND (0.55)	-	-	-
4-Chlorophenyl phenyl ether	ug/l	-	ND (2.0)	ND (0.51)	ND (0.51)	ND (0.51)	ND (2.0)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.50)	ND (0.51)	ND (5.0)	ND (0.51)	-	-	-
1,2-Dichlorobenzene	ug/l	600	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (5.0)	ND (0.47)	-	-	-
1,2-Diphenylhydrazine	ug/l	-	ND (2.5)	ND (0.64)	ND (0.64)	ND (0.64)	ND (2.5)	ND (0.64)	ND (0.64)	ND (0.64)	ND (0.64)	ND (0.64)	ND (0.63)	ND (0.64)	ND (5.0)	ND (0.64)	-	-	-
1,3-Dichlorobenzene	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (5.0)	ND (0.47)	-	-	-
1,4-Dichlorobenzene	ug/l	75	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (5.0)	ND (0.47)	-	-	-
2,4-Dinitrotoluene	ug/l	2.67	ND (2.1)	ND (0.54)	ND (0.54)	ND (0.54)	ND (2.1)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.53)	ND (0.54)	ND (5.0)	ND (0.54)	-	-	-
2,6-Dinitrotoluene	ug/l	0.557	ND (2.4)	ND (0.59)	ND (0.59)	2.5 J	ND (2.4)	1.1 J	ND (0.59)	2.7 J	2.2 J	ND (0.59)	ND (0.59)	ND (0.59)	ND (5.0)	ND (0.59)	-	-	-
3,3'-Dichlorobenzidine	ug/l	-	ND (3.4)	ND (0.85)	ND (0.85)	ND (0.85)	ND (3.4)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.84)	ND (0.85)	ND (10.0)	ND (0.85)	-	-	-
Dibenz(a,h)anthracene	ug/l	0.00805	ND (3.1)	ND (

Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW	TAP WATER	BLD D RM 1A	BLD D RM 1B	BLD D RM 2	BLD D RM 3	BLD D RM 4	BLD D RM 5	BLD D RM 5B	BLD D RM 5C	BLD D RM 5D	BLD D RM 6A	BLD D RM 6B	BLD D RM 7 ⁺	DUP 1 (BLD D RM 2)	TRIP BLANK	TRIP BLANK	TRIP BLANK	
Lab Sample ID:			FA12080-8	FA12103-1	FA12103-2	FA12103-3	FA12103-4	FA12103-5	FA12103-6	FA12103-7	FA12103-8	FA12103-9	FA12103-10	FA12143-6	FA12143-7	60174820001	FA12103-10	FA12102-6	FA12143-9	FA12103-11
Date Sampled:			1/28/2014	1/30/2014	1/30/2014	1/30/2014	1/29/2014	1/29/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/31/2014	1/31/2014	7/31/2014	1/30/2014	1/29/2014	1/31/2014	1/30/2014	
Matrix:		(KDHE 03/2014)	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Trip Blank	Trip Blank	Trip Blank	
																	Water	Water	Water	
Dimethyl phthalate	ug/l	155000	ND (2.4)	34.7	11.8	13.8	5.3 J	ND (0.59)	ND (0.59)	ND (0.59)	2.4 J	3.2 J	#	5.9	ND (5.0)	12.2	-	-	-	
bis(2-Ethylhexyl)phthalate	ug/l	6	ND (6.0)	52.9	20.9	24.5	109	45.7	62.1	212	16.9	8.1	37.4	40.9	58.1	14.7	-	-	-	
Fluoranthene	ug/l	255	ND (2.6)	ND (0.66)	ND (0.66)	ND (0.66)	ND (2.6)	ND (0.66)	0.66 J	1.7 J	ND (0.66)	ND (0.66)	ND (0.65)	0.75 J	ND (5.0)	ND (0.66)	-	-	-	
Fluorene	ug/l	162	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (5.0)	ND (0.47)	-	-	-	
Hexachlorobenzene	ug/l	1	ND (2.5)	ND (0.62)	ND (0.62)	ND (0.62)	ND (2.5)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (5.0)	ND (0.62)	-	-	-	
Hexachlorobutadiene	ug/l	6.32	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (5.0)	ND (0.47)	-	-	-	
Hexachlorocyclopentadiene	ug/l	50	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (10.0)	ND (0.94)	-	-	-	
Hexachloroethane	ug/l	9.14	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (5.0)	ND (0.47)	-	-	-	
Indeno(1,2,3-cd)pyrene	ug/l	0.117	ND (2.4)	ND (0.59)	ND (0.59)	ND (0.59)	ND (2.4)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (5.0)	ND (0.59)	-	-	-	
Isophorone	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	0.54 J	ND (0.47)	ND (0.47)	ND (0.47)	ND (5.0)	ND (0.47)	-	-	-	
1-Methylnaphthalene	ug/l	4.29	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	0.64 J	0.51 J	0.47 J	ND (0.47)	1.0 J	0.81 J	ND (5.0)	ND (0.47)	-	-	-	
2-Methylnaphthalene	ug/l	16.7	ND (2.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (2.0)	0.53 J	1.5 J	0.78 J	0.65 J	0.66 J	1.5 J	1.3 J	ND (5.0)	ND (0.50)	-	-	-	
2-Nitroaniline	ug/l	-	ND (4.5)	ND (1.1)	ND (1.1)	ND (1.1)	ND (4.5)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (5.0)	ND (1.1)	-	-	-	
3-Nitroaniline	ug/l	-	ND (2.3)	ND (0.57)	ND (0.57)	ND (0.57)	ND (2.3)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (5.0)	ND (0.57)	-	-	-	
4-Nitroaniline	ug/l	-	ND (2.9)	ND (0.72)	ND (0.72)	ND (0.72)	ND (2.9)	ND (0.72)	ND (0.72)	ND (0.72)	ND (0.72)	ND (0.72)	ND (0.71)	ND (0.72)	ND (5.0)	ND (0.72)	-	-	-	
Naphthalene	ug/l	1.11	ND (1.9)	ND (0.47)	0.90 J	ND (0.47)	ND (1.9)	1.2 J	3.7 J	1.9 J	1.5 J	1.7 J	2.8 J	1.9 J	ND (5.0)	ND (0.47)	-	-	-	
Nitrobenzene	ug/l	1.01	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (5.0)	ND (0.47)	-	-	-	
N-Nitrosodimethylamine	ug/l	-	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.93)	ND (0.94)	ND (5.0)	ND (0.94)	-	-	-	
N-Nitroso-d-n-propylamine	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	20.2	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (5.0)	ND (0.47)	-	-	-	
N-Nitrosodiphenylamine	ug/l	-	ND (2.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (2.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (5.0)	ND (0.50)	-	-	-	
Phenanthrene	ug/l	-	ND (2.2)	ND (0.56)	ND (0.56)	ND (0.56)	ND (2.2)	ND (0.56)	0.90 J	2.6 J	ND (0.56)	ND (0.56)	0.88 J	0.99 J	ND (5.0)	ND (0.56)	-	-	-	
Pyrene	ug/l	202	ND (3.1)	ND (0.77)	ND (0.77)	ND (0.77)	ND (3.1)	ND (0.77)	0.82 J	1.6 J	ND (0.77)	ND (0.77)	ND (0.76)	ND (0.77)	ND (5.0)	ND (0.77)	-	-	-	
Pyridine	ug/l	4.96	ND (7.5)	ND (1.9)	ND (1.9)	ND (1.9)	ND (7.5)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (10.0)	ND (1.9)	-	-	-	
1,2,4-Trichlorobenzene	ug/l	70	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (5.0)	ND (0.47)	-	-	-	
GC Semi-volatiles (SW846 8081B)																				
Aldrin	ug/l	0.0495	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.023)	ND (0.0093)	ND (0.0094)	ND (0.023)	ND (0.0093)	ND (0.0093)	ND (0.020)	ND (0.0093)	-	-	-	
alpha-BHC	ug/l	-	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.023)	ND (0.0093)	ND (0.0094)	ND (0.023)	ND (0.0093)	ND (0.0093)	ND (0.020)	ND (0.0093)	-	-	-	
beta-BHC	ug/l	-	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.023)	ND (0.0093)	ND (0.0094)	ND (0.023)	ND (0.0093)	ND (0.0093)	ND (0.020)	ND (0.0093)	-	-	-	
delta-BHC	ug/l	-	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.023)	ND (0.0093)	ND (0.0094)	ND (0.023)	ND (0.0093)	ND (0.0093)	ND (0.020)	ND (0.0093)	-	-	-	
gamma-BHC (Lindane)	ug/l	0.2	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.023)	ND (0.0093)	ND (0.0094)	ND (0.023)	ND (0.0093)	ND (0.0093)	ND (0.020)	ND (0.0093)	-	-	-	
alpha-Chlordane	ug/l	-	ND (0.0047)	0.18	0.081	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.023)	ND (0.0093)	ND (0.0094)	ND (0.023)	ND (0.0093)	0.015 J ⁺	ND (0.020)	0.075 J ⁺	-	-	-	
gamma-Chlordane	ug/l	-	ND (0.0047)	0.16 ⁺	0.033 J ⁺	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.023)	ND (0.0093)	ND (0.0094)	ND (0.023)	ND (0.0093)	ND (0.0093)	ND (0.020)	ND (0.0093)	-	-	-	
Dieldrin	ug/l	0.048	ND (0.0047)	0.011 J ⁺	0.016 J ⁺	ND (0.0047)	ND (0.0047)	0.0063 J ⁺	ND (0.023)	ND (0.0093)	ND (0.0094)	ND (0.023)	ND (0.0093)	ND (0.0093)	ND (0.020)	ND (0.0093)	-	-	-	
4,4'-DDD	ug/l	1.35	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.019)	-	-	-	
4,4'-DDE	ug/l	1.03	ND (0.0094)	0.010 J	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.019)	-	-	-	
4,4'-DDT	ug/l	0.73	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.030)	ND (0.019)	-	-	-	
Endrin	ug/l	2	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.019)	-	-	-	
Endosulfan sulfate	ug/l	-	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.050)	ND (0.019)	-	-	-	
Endrin aldehyde	ug/l	-	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.019)	-	-	-	
Endrin ketone	ug/l	-	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.050)	ND (0.019)	-	-	-	
Endosulfan-I	ug/l	-	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.023)	ND (0.0093)	ND (0.0094)	ND (0.023)	ND (0.0093)	ND (0.0093)	ND (0.050)	ND (0.0093)	-	-	-	
Endosulfan-II	ug/l	-	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.023)	ND (0.0093)	ND (0.0094)	ND (0.023)	ND (0.0093)	ND (0.0093)	ND (0.020)	ND (0.0093)	-	-	-	
Heptachlor	ug/l	0.4	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.023)	ND (0.0093)	ND (0.0094)	ND (0.023)	ND (0.0093)	ND (0.0093)	ND (0.020)	ND (0.0093)	-	-	-	
Heptachlor epoxide	ug/l	0.2	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	ND (0.0047)	0.013 J	ND (0.023)	ND (0.0093)	ND (0.0094)	ND (0.023)	ND (0.0093)	ND (0.0093)	ND (0.050)	ND (0.0093)	-	-	-	
Methoxychlor	ug/l	40	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.047)	ND (0.019)	ND (0.019)	ND (0.050)	ND (0.019)	-	-	-	
Toxaphene	ug/l	3	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (4.7)	ND (1.9)	ND (1.9)	ND (4.7)	ND (1.9)	ND (1.9)	ND (1.0)	ND (1.9)	-	-	-	
GC Semi-volatiles (SW846 8082A)																				
Aroclor 1016	ug/l	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0						

Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 03/2014)	TAP WATER	BLD D RM 1A	BLD D RM 1B	BLD D RM 2	BLD D RM 3	BLD D RM 4	BLD D RM 5A	BLD D RM 5B	BLD D RM 5C	BLD D RM 5D	BLD D RM 6A	BLD D RM 6B	BLD D RM 7*	DUP 1 (BLD D RM 2)	TRIP BLANK	TRIP BLANK	TRIP BLANK
Lab Sample ID:			FA12080-8	FA12103-1	FA12103-2	FA12103-3	FA12102-5	FA12102-4	FA12103-8	FA12103-7	FA12103-5	FA12103-4	FA12143-6	FA12143-7	60174820001	FA12103-10	FA12102-6	FA12143-9	FA12103-11
Date Sampled:			1/28/2014	1/30/2014	1/30/2014	1/30/2014	1/29/2014	1/29/2014	1/30/2014	1/30/2014	1/30/2014	1/30/2014	1/31/2014	1/31/2014	7/31/2014	1/30/2014	1/29/2014	1/31/2014	1/30/2014
Matrix:			Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Trip Blank Water	Trip Blank Water	Trip Blank Water
Dinoseb	ug/l	-	ND (0.47)	ND (9.3)	ND (4.7)	ND (4.7)	ND (9.3)	ND (4.7)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (2.4)	ND (2.4)	ND (0.50)	ND (2.4)	-	-	-
Dalapon	ug/l	-	ND (0.93)	ND (19)	ND (9.3)	ND (9.3)	ND (19)	ND (9.3)	ND (19)	ND (19)	ND (19)	ND (19)	ND (4.7)	ND (4.7)	ND (0.50)	ND (4.7)	-	-	-
Dichloroprop	ug/l	-	ND (0.20)	ND (3.9)	ND (2.0)	ND (2.0)	ND (3.9)	ND (2.0)	ND (3.9)	ND (3.9)	ND (3.9)	ND (3.9)	ND (0.99)	ND (0.99)	ND (0.50)	ND (0.99)	-	-	-
2,4-DB	ug/l	115	ND (0.31)	ND (6.2)	ND (3.1)	ND (3.1)	ND (6.2)	ND (3.1)	ND (6.2)	ND (6.2)	ND (6.2)	ND (6.2)	ND (1.6)	ND (1.6)	ND (0.50)	ND (1.6)	-	-	-
MCP	ug/l	-	ND (12)	ND (240)	ND (120)	ND (120)	ND (240)	ND (120)	ND (240)	ND (240)	ND (240)	ND (240)	ND (61)	ND (61)	ND (20.0)	ND (61)	-	-	-
MCPA	ug/l	-	ND (20)	ND (390)	ND (200)	ND (200)	ND (390)	ND (200)	ND (390)	ND (390)	ND (390)	ND (390)	ND (99)	ND (99)	ND (20.0)	ND (99)	-	-	-
Pentachlorophenol	ug/l	1	ND (0.022)	ND (0.43)	ND (0.22)	ND (0.22)	ND (0.43)	0.37 J	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	0.34 J	0.39 J	ND (25.0)	ND (0.11)	-	-	-
Metals Analysis																			
Aluminum	ug/l	-	<200	287000 ⁺	22700	18600	8400	6050	8080	4750	6440	18300	1780	7060	961	21500	-	-	-
Antimony	ug/l	6	<6.0	98.5 ⁺	21.3	22.2	32.2	26.5	53.6	26.6	19.9	55.9	<6.0	14.1	<6.0	26.1	-	-	-
Arsenic	ug/l	10	<10	145 ⁺	13.5	13.4	12.4	<10	12.8	<10	10.5	20.1	<10	12.5	<10	14.3	-	-	-
Barium	ug/l	2000	<200	19400 ⁺	968	898	717	432	1010	639	546	1020	<200	361	<200	1000	-	-	-
Beryllium	ug/l	4	<4.0	<4.0 ⁺	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	-	-	-
Cadmium	ug/l	5	<5.0	451 ⁺	22.1	51.5	39.9	38.8	72.6	24.2	30.6	40.4	30.1	30.7	<5.0	57.3	-	-	-
Calcium	ug/l	-	27200	1260000 ⁺	250000	231000	189000	106000	192000	109000	135000	295000	84900	132000	48900	241000	-	-	-
Chromium	ug/l	100	<10	6310 ⁺	439	619	662	475	656	430	314	1590	70.3	238	21.3	697	-	-	-
Cobalt	ug/l	4.68	<50	1100 ⁺	91.8	127	154	76.2	125	78.5	76.6	148	<50	78.5	<50	143	-	-	-
Copper	ug/l	1300	57.1	2930 ⁺	236	197	314	201	550	218	218	347	122	208	42.2	221	-	-	-
Iron	ug/l	-	<300	780000 ⁺	60900	34100	13900	10500	22600	13900	18600	29500	2800	17000	2840	38500	-	-	-
Lead	ug/l	15	<5.0	30600 ⁺	1520	2300	2160	1600	842	523	596	1110	423	967	72.9	2720	-	-	-
Magnesium	ug/l	-	14500	188000 ⁺	26700	22400	20800	18400	30500	18300	20800	29700	19100	22300	14000	23900	-	-	-
Manganese	ug/l	50	<15	13700 ⁺	2390	1130	582	603	639	346	415	1070	223	511	43.2	1250	-	-	-
Mercury	ug/l	2	<0.50	69.7 ⁺	18.8	13.4	35.2	16.2	25.5	10.2	6.4	16.3	4.7	5.8	<1.0	13.6	-	-	-
Molybdenum	ug/l	-	<50	<500 ⁺	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	-	-	-
Nickel	ug/l	312	<40	1130 ⁺	87	64.3	93	<40	96.8	60.9	111	110	41.3	44.8	<40	73.9	-	-	-
Potassium	ug/l	-	<10000	<100000 ⁺	18500	18700	64000	29400	54500	28200	41400	59800	15700	16500	<10000	19400	-	-	-
Selenium	ug/l	50	<10	<100 ⁺	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-
Silver	ug/l	77.9	<10	<100 ⁺	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-
Sodium	ug/l	-	87700	113000 ⁺	84300	102000	232000	166000	233000	128000	167000	199000	134000	150000	97600	101000	-	-	-
Strontium	ug/l	-	203	6020 ⁺	1220	997	896	576	1640	763	782	2290	485	592	327	1020	-	-	-
Thallium	ug/l	-	<10	<100 ⁺	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-
Tin	ug/l	-	<50	<500 ⁺	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	-	-	-
Titanium	ug/l	-	<10	6970 ⁺	783	557	277	164	258	153	205	474	217	165	34.6	610	-	-	-
Vanadium	ug/l	-	<50	565 ⁺	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	-	-	-
Zinc	ug/l	4670	<20	55600 ⁺	6820	5510	5380	6310	6550	2920	4070	-	3900	9880	566	5840	-	-	-
Footnotes:																			
* Sample laboratory analyzed by Pace Analytical, Inc.																			
+ Associated BS recovery outside control limits.																			
* Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.																			
+ Elevated reporting limit(s) due to matrix interference.																			
Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. Accutest assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.																			

Accutest Laboratories Southeast, Inc.							
Job Number:		FA12636					
Account:		ISI Environmental Services					
Project:		Clean Harbors; Wichita, KS					
Project Number:							
				Legend:	Detection	Exceed	
Client Sample ID:			KS Tier 2 Risk Based Standards Residential GW (KDHE 3/2014)	BLD D RM 2	BLD D RM 2 *	BLD D RM 5B	DUP-4
Lab Sample ID:				FA12636-1	FA12636-1A	FA12636-4	FA12636-5
Date Sampled:				2/19/2014	2/24/2014	2/19/2014	2/19/2014
Matrix:				Water	Water	Water	Water
GC/MS Volatiles (SW846 8260B)							
Acetone	ug/l	11500	-	-	-	ND (210) ^a	
Benzene	ug/l	5	-	-	-	ND (4.9)	
Bromodichloromethane	ug/l	80	-	-	-	ND (5.2)	
Bromoform	ug/l	80	-	-	-	ND (7.7)	
Chlorobenzene	ug/l	100	-	-	-	ND (4.8)	
Chloroethane	ug/l	14000	-	-	-	ND (10)	
Chloroform	ug/l	80	-	-	-	ND (6.2)	
Carbon disulfide	ug/l	716	-	-	-	ND (4.0)	
Carbon tetrachloride	ug/l	5	-	-	-	ND (7.9)	
1,1-Dichloroethane	ug/l	25	-	-	-	ND (5.1)	
1,1-Dichloroethylene	ug/l	7	-	-	-	ND (5.1)	

Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 3/2014)	BLD D RM 2	BLD D RM 2 *	BLD D RM 5B	DUP-4
Lab Sample ID:			FA12636-1	FA12636-1A	FA12636-4	FA12636-5
Date Sampled:			2/19/2014	2/24/2014	2/19/2014	2/19/2014
Matrix:			Water	Water	Water	Water
1,2-Dichloroethane	ug/l	5	-	-	-	ND (4.8)
1,2-Dichloropropane	ug/l	5	-	-	-	ND (7.1)
Dibromochloromethane	ug/l	80	-	-	-	ND (7.2)
cis-1,2-Dichloroethylene	ug/l	70	-	-	-	ND (6.5)
cis-1,3-Dichloropropene	ug/l	-	-	-	-	ND (4.2)
trans-1,2-Dichloroethylene	ug/l	100	-	-	-	ND (6.9)
trans-1,3-Dichloropropene	ug/l	-	-	-	-	ND (4.2)
Ethylbenzene	ug/l	700	-	-	-	ND (5.6)
2-Hexanone	ug/l	-	-	-	-	ND (40)
4-Methyl-2-pentanone	ug/l	1020	-	-	-	ND (20)
Methyl bromide	ug/l	7	-	-	-	ND (11)
Methyl chloride	ug/l	127	-	-	-	ND (11)
Methylene chloride	ug/l	5	-	-	-	ND (40)
Methyl ethyl ketone	ug/l	4920	-	-	-	ND (30)
Styrene	ug/l	100	-	-	-	ND (4.7)
1,1,1-Trichloroethane	ug/l	200	-	-	-	ND (6.7)
1,1,2,2-Tetrachloroethane	ug/l	0.694	-	-	-	ND (5.5)
1,1,2-Trichloroethane	ug/l	5	-	-	-	ND (6.3)

Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 3/2014)	BLD D RM 2	BLD D RM 2 *	BLD D RM 5B	DUP-4
Lab Sample ID:			FA12636-1	FA12636-1A	FA12636-4	FA12636-5
Date Sampled:			2/19/2014	2/24/2014	2/19/2014	2/19/2014
Matrix:			Water	Water	Water	Water
Tetrachloroethylene	ug/l	5	-	-	-	ND (5.1)
Toluene	ug/l	1000	-	-	-	ND (4.0)
Trichloroethylene	ug/l	5	-	-	-	ND (6.0)
Vinyl chloride	ug/l	2	-	-	-	ND (6.5)
Xylene (total)	ug/l	10000	-	-	-	ND (13)
GC/MS Semi-volatiles (SW846 8270D)						
Benzoic Acid	ug/l	-	-	-	ND (9.4)	ND (9.4)
2-Chlorophenol	ug/l	-	-	-	-	ND (0.49)
4-Chloro-3-methyl phenol	ug/l	-	-	-	-	ND (0.47)
2,4-Dichlorophenol	ug/l	41.2	-	-	-	ND (0.54)
2,4-Dimethylphenol	ug/l	292	-	-	-	ND (0.47)
2,4-Dinitrophenol	ug/l	31	-	-	-	ND (5.1)
4,6-Dinitro-o-cresol	ug/l	-	-	-	-	ND (1.9)
2-Methylphenol	ug/l	744	-	-	-	ND (0.47)
3&4-Methylphenol	ug/l	-	-	-	1.9 J	ND (1.1)
2-Nitrophenol	ug/l	-	ND (0.56)	-	-	ND (0.56)
4-Nitrophenol	ug/l	-	-	-	-	ND (4.7)

Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 3/2014)	BLD D RM 2	BLD D RM 2 *	BLD D RM 5B	DUP-4
Lab Sample ID:			FA12636-1	FA12636-1A	FA12636-4	FA12636-5
Date Sampled:			2/19/2014	2/24/2014	2/19/2014	2/19/2014
Matrix:			Water	Water	Water	Water
Pentachlorophenol	ug/l	1	-	-	-	ND (4.7)
Phenol	ug/l	4560	-	-	-	ND (0.47)
2,4,5-Trichlorophenol	ug/l	1260	-	-	-	ND (0.92)
2,4,6-Trichlorophenol	ug/l	12.7	-	-	-	ND (0.52)
Acenaphthene	ug/l	253	-	-	-	ND (0.47)
Acenaphthylene	ug/l	-	-	-	ND (0.47)	ND (0.47)
Anthracene	ug/l	1150	-	-	-	ND (0.58)
Benzo(a)anthracene	ug/l	0.223	-	-	-	ND (0.61)
Benzo(a)pyrene	ug/l	0.2	-	-	-	ND (0.62)
Benzo(b)fluoranthene	ug/l	0.16	-	-	-	ND (0.67)
Benzo(g,h,i)perylene	ug/l	-	-	-	-	ND (0.76)
Benzo(k)fluoranthene	ug/l	1.62	-	-	-	ND (0.48)
4-Bromophenyl phenyl ether	ug/l	-	-	-	-	ND (0.63)
Butyl benzyl phthalate	ug/l	333	-	-	-	ND (0.77)
Benzyl Alcohol	ug/l	-	ND (0.94)	-	21.4	ND (0.94)
2-Chloronaphthalene	ug/l	344	-	-	-	ND (0.52)
4-Chloroaniline	ug/l	-	-	-	-	ND (0.47)
Carbazole	ug/l	28.7	-	-	-	ND (0.58)

Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 3/2014)	BLD D RM 2	BLD D RM 2 *	BLD D RM 5B	DUP-4
Lab Sample ID:			FA12636-1	FA12636-1A	FA12636-4	FA12636-5
Date Sampled:			2/19/2014	2/24/2014	2/19/2014	2/19/2014
Matrix:			Water	Water	Water	Water
Chrysene	ug/l	22.3	-	-	-	ND (0.68)
bis(2-Chloroethoxy)methane	ug/l	-	-	-	-	ND (0.52)
bis(2-Chloroethyl)ether	ug/l	0.124	-	-	-	ND (0.65)
bis(2-Chloroisopropyl)ether	ug/l	-	-	-	-	ND (0.55)
4-Chlorophenyl phenyl ether	ug/l	-	-	-	-	ND (0.51)
1,2-Dichlorobenzene	ug/l	600	-	-	-	ND (0.47)
1,3-Dichlorobenzene	ug/l	-	-	-	-	ND (0.47)
1,4-Dichlorobenzene	ug/l	75	-	-	-	ND (0.47)
2,4-Dinitrotoluene	ug/l	2.67	-	-	-	ND (0.54)
2,6-Dinitrotoluene	ug/l	15.4	-	-	-	ND (0.59)
3,3'-Dichlorobenzidine	ug/l	-	-	-	-	ND (0.85)
Dibenzo(a,h)anthracene	ug/l	0.00805	-	-	-	ND (0.77)
Dibenzofuran	ug/l	4.13	-	-	-	ND (0.50)
Di-n-butyl phthalate	ug/l	1350	-	-	-	ND (0.94)
Di-n-octyl phthalate	ug/l	18.4	-	-	-	ND (0.94)
Diethyl phthalate	ug/l	12200	-	-	-	ND (0.94)
Dimethyl phthalate	ug/l	155000	-	-	-	ND (0.59)
bis(2-Ethylhexyl)phthalate	ug/l	6	10.2	-	53.4	ND (1.5)

Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 3/2014)	BLD D RM 2	BLD D RM 2 *	BLD D RM 5B	DUP-4
Lab Sample ID:			FA12636-1	FA12636-1A	FA12636-4	FA12636-5
Date Sampled:			2/19/2014	2/24/2014	2/19/2014	2/19/2014
Matrix:			Water	Water	Water	Water
Fluoranthene	ug/l	255	-	-	-	ND (0.66)
Fluorene	ug/l	162	-	-	-	ND (0.47)
Hexachlorobenzene	ug/l	1	-	-	-	ND (0.62)
Hexachlorobutadiene	ug/l	6.32	-	-	-	ND (0.47)
Hexachlorocyclopentadiene	ug/l	50	-	-	-	ND (0.94)
Hexachloroethane	ug/l	13.1	-	-	-	ND (0.47)
Indeno(1,2,3-cd)pyrene	ug/l	0.117	-	-	-	ND (0.59)
Isophorone	ug/l	-	-	-	-	ND (0.47)
1-Methylnaphthalene	ug/l	-	-	-	ND (0.47)	-
2-Methylnaphthalene	ug/l	16.7	-	-	-	ND (0.50)
2-Nitroaniline	ug/l	-	-	-	-	ND (1.1)
3-Nitroaniline	ug/l	-	-	-	-	ND (0.57)
4-Nitroaniline	ug/l	-	-	-	-	ND (0.72)
Naphthalene	ug/l	1.11	-	-	0.61 J	ND (0.47)
Nitrobenzene	ug/l	1.01	-	-	-	ND (0.47)
N-Nitroso-di-n-propylamine	ug/l	-	-	-	-	ND (0.47)
N-Nitrosodiphenylamine	ug/l	-	-	-	-	ND (0.50)
Phenanthrene	ug/l	-	-	-	ND (0.56)	ND (0.56)

Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 3/2014)	BLD D RM 2	BLD D RM 2 *	BLD D RM 5B	DUP-4
Lab Sample ID:			FA12636-1	FA12636-1A	FA12636-4	FA12636-5
Date Sampled:			2/19/2014	2/24/2014	2/19/2014	2/19/2014
Matrix:			Water	Water	Water	Water
Pyrene	ug/l	202	-	-	-	ND (0.77)
1,2,4-Trichlorobenzene	ug/l	70	-	-	-	ND (0.47)
GC Semi-volatiles (SW846 8082A)						
Aroclor 1016	ug/l	-	-	-	-	ND (2.0)
Aroclor 1221	ug/l	-	-	-	-	ND (2.5)
Aroclor 1232	ug/l	-	-	-	-	ND (2.5)
Aroclor 1242	ug/l	-	-	-	-	ND (2.0)
Aroclor 1248	ug/l	-	-	-	-	ND (2.0)
Aroclor 1254	ug/l	-	-	-	-	ND (2.0)
Aroclor 1260	ug/l	-	-	0.20 J	-	ND (2.0)
Metals Analysis						
Antimony	ug/l	6	<6.0	-	<6.0	10.5
Arsenic	ug/l	10	<10	-	-	<10
Cadmium	ug/l	5	5	-	<5.0	5.2
Chromium	ug/l	100	35.8	-	66.7	194
Cobalt	ug/l	4.68	<50	-	<50	<50

Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 3/2014)	BLD D RM 2	BLD D RM 2 *	BLD D RM 5B	DUP-4
Lab Sample ID:			FA12636-1	FA12636-1A	FA12636-4	FA12636-5
Date Sampled:			2/19/2014	2/24/2014	2/19/2014	2/19/2014
Matrix:			Water	Water	Water	Water
Iron	ug/l	-	2570	-	2330	4600
Lead	ug/l	15	117	-	85.3	136
Manganese	ug/l	50	60.7	-	51.9	93.3
Mercury	ug/l	2	0.93	-	0.86	1.8
Potassium	ug/l	-	<10000	-	<10000	21200
Sodium	ug/l	-	90100	-	122000	1980000
Strontium	ug/l	-	222	-	254	343
Titanium	ug/l	-	50.4	-	52.5	77.8
Footnotes:						
* Sample collected due to breakage of PCB sample containers during transit to the laboratory associated with the 2/19/14 sampling event. Arachlor 1260 was the only PCB analysis requested and reported during the third (2/24/14) sampling event.						
^a Sample was treated with an anti-foaming agent.						
Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. Accutest assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.						

Accutest Laboratories Southeast, Inc.

Job Number:	FA12620
Account:	ISI Environmental Services
Project:	Clean Harbors; Wichita, KS
Project Number:	

Legend: Detection Exceed

Client Sample ID:	KS Tier 2 Risk Based Standards	BLD D RM 1A	BLD D RM 1B	BLD D RM 3	BLD D RM 4	BLD D RM 5A	BLD D RM 5C	BLD D RM 5D	BLD D RM 6A	BLD D RM 6B
Lab Sample ID:	Residential	FA12620-1	FA12620-2	FA12620-9	FA12620-10	FA12620-3	FA12620-5	FA12620-6	FA12620-7	FA12620-8
Date Sampled:	GW (KDHE	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014
Matrix:	03/2014)	Water	Water	Water	Water	Water	Water	Water	Water	Water

GC/MS Semi-volatiles (SW846 8270D)

Benzoic Acid	ug/l	-	ND (9.5)	ND (9.5)	28.3 J	26.1 J	ND (9.5)	ND (9.4)	ND (9.4)	ND (9.4)	ND (9.5)
2-Chlorophenol	ug/l	-	-	-	ND (0.49)	2.4 J	-	ND (0.49)	ND (0.49)	0.99 J	-
4-Chloro-3-methyl phenol	ug/l	-	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
2,4-Dichlorophenol	ug/l	41.2	-	-	ND (0.55)	-	-	ND (0.54)	ND (0.54)	ND (0.54)	-
2,4-Dimethylphenol	ug/l	292	-	-	0.77 J	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
2,4-Dinitrophenol	ug/l	31	-	-	ND (5.2)	-	-	ND (5.1)	ND (5.1)	ND (5.1)	-
4,6-Dinitro-o-cresol	ug/l	-	-	-	ND (1.9)	-	-	ND (1.9)	ND (1.9)	ND (1.9)	-
2-Methylphenol	ug/l	744	-	-	ND (0.48)	-	-	1.0 J	0.65 J	0.67 J	-
3&4-Methylphenol	ug/l	-	ND (1.1)	ND (1.1)	ND (1.1)	2.6 J	ND (1.1)	1.1 J	ND (1.1)	1.2 J	ND (1.1)
2-Nitrophenol	ug/l	-	ND (0.57)	ND (0.57)	ND (0.57)	1.0 J	ND (0.57)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.57)
4-Nitrophenol	ug/l	-	ND (4.8)	ND (4.8)	ND (4.8)	-	ND (4.8)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.8)
Pentachlorophenol	ug/l	1	-	-	ND (4.8)	-	-	ND (4.7)	ND (4.7)	ND (4.7)	-
Phenol	ug/l	4560	-	-	0.90 J	-	-	2.9 J	1.3 J	8.7	-
2,4,5-Trichlorophenol	ug/l	1260	-	-	ND (0.93)	-	-	ND (0.92)	ND (0.92)	ND (0.92)	-
2,4,6-Trichlorophenol	ug/l	12.7	-	-	ND (0.53)	-	-	ND (0.52)	ND (0.52)	ND (0.52)	-
Acenaphthene	ug/l	253	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
Acenaphthylene	ug/l	-	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
Anthracene	ug/l	1150	-	-	ND (0.59)	-	-	ND (0.58)	ND (0.58)	ND (0.58)	-
Benzo(a)anthracene	ug/l	0.223	-	-	ND (0.61)	-	-	ND (0.61)	ND (0.61)	ND (0.61)	-
Benzo(a)pyrene	ug/l	0.2	-	-	ND (0.62)	-	-	ND (0.62)	ND (0.62)	ND (0.62)	-
Benzo(b)fluoranthene	ug/l	0.16	-	-	ND (0.68)	-	-	ND (0.67)	ND (0.67)	ND (0.67)	-
Benzo(g,h,i)perylene	ug/l	-	-	-	ND (0.77)	-	-	ND (0.76)	ND (0.76)	ND (0.76)	-
Benzo(k)fluoranthene	ug/l	1.62	-	-	ND (0.49)	-	-	ND (0.48)	ND (0.48)	ND (0.48)	-
4-Bromophenyl phenyl ether	ug/l	-	-	-	ND (0.64)	-	-	ND (0.63)	ND (0.63)	ND (0.63)	-
Butyl benzyl phthalate	ug/l	333	-	-	5.4	-	-	ND (0.77)	ND (0.77)	2.8 J	-

Client Sample ID:		KS Tier 2 Risk Based Standards	BLD D RM 1A	BLD D RM 1B	BLD D RM 3	BLD D RM 4	BLD D RM 5A	BLD D RM 5C	BLD D RM 5D	BLD D RM 6A	BLD D RM 6B
Lab Sample ID:		Residential	FA12620-1	FA12620-2	FA12620-9	FA12620-10	FA12620-3	FA12620-5	FA12620-6	FA12620-7	FA12620-8
Date Sampled:		GW (KDHE	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014
Matrix:		03/2014)	Water	Water	Water	Water	Water	Water	Water	Water	Water
Benzyl Alcohol	ug/l	-	23.7	9.4	1.1 J	1.9 J	ND (0.95)	15.9	1.6 J	53.4	11.8
2-Chloronaphthalene	ug/l	344	-	-	ND (0.53)	-	-	ND (0.52)	ND (0.52)	ND (0.52)	-
4-Chloroaniline	ug/l	-	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
Carbazole	ug/l	28.7	-	-	ND (0.59)	-	-	ND (0.58)	ND (0.58)	ND (0.58)	-
Chrysene	ug/l	22.3	-	-	ND (0.69)	-	-	ND (0.68)	ND (0.68)	ND (0.68)	-
bis(2-Chloroethoxy)methane	ug/l	-	-	-	ND (0.52)	-	-	ND (0.52)	ND (0.52)	ND (0.52)	-
bis(2-Chloroethyl)ether	ug/l	0.124	-	-	ND (0.66)	-	-	ND (0.65)	ND (0.65)	ND (0.65)	-
bis(2-Chloroisopropyl)ether	ug/l	-	-	-	ND (0.55)	-	-	ND (0.55)	ND (0.55)	ND (0.55)	-
4-Chlorophenyl phenyl ether	ug/l	-	-	-	ND (0.51)	-	-	ND (0.51)	ND (0.51)	ND (0.51)	-
1,2-Dichlorobenzene	ug/l	600	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
1,3-Dichlorobenzene	ug/l	-	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
1,4-Dichlorobenzene	ug/l	75	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
2,4-Dinitrotoluene	ug/l	2.67	-	-	ND (0.54)	-	-	ND (0.54)	ND (0.54)	ND (0.54)	-
2,6-Dinitrotoluene	ug/l	15.4	-	-	ND (0.60)	-	-	ND (0.59)	ND (0.59)	ND (0.59)	-
3,3'-Dichlorobenzidine	ug/l	-	-	-	ND (0.86)	-	-	ND (0.85)	ND (0.85)	ND (0.85)	-
Dibenzo(a,h)anthracene	ug/l	0.00805	-	-	ND (0.77)	-	-	ND (0.77)	ND (0.77)	ND (0.77)	-
Dibenzofuran	ug/l	4.13	-	-	ND (0.51)	-	-	ND (0.50)	ND (0.50)	ND (0.50)	-
Di-n-butyl phthalate	ug/l	1350	-	-	0.97 J	-	-	ND (0.94)	ND (0.94)	ND (0.94)	-
Di-n-octyl phthalate	ug/l	18.4	-	-	ND (0.95)	-	-	1.7 J	ND (0.94)	2.1 J	-
Diethyl phthalate	ug/l	12200	-	-	ND (0.95)	-	-	ND (0.94)	ND (0.94)	ND (0.94)	-
Dimethyl phthalate	ug/l	155000	-	-	1.0 J	-	-	ND (0.59)	ND (0.59)	ND (0.59)	-
bis(2-Ethylhexyl)phthalate	ug/l	6	29.9	18.6	91.9	37.3	3.2 J	218	6.3	110	54.8
Fluoranthene	ug/l	255	-	-	ND (0.67)	-	-	ND (0.66)	ND (0.66)	ND (0.66)	-
Fluorene	ug/l	162	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
Hexachlorobenzene	ug/l	1	-	-	ND (0.63)	-	-	ND (0.62)	ND (0.62)	ND (0.62)	-
Hexachlorobutadiene	ug/l	6.32	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
Hexachlorocyclopentadiene	ug/l	50	-	-	ND (0.95)	-	-	ND (0.94)	ND (0.94)	ND (0.94)	-
Hexachloroethane	ug/l	13.1	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
Indeno(1,2,3-cd)pyrene	ug/l	0.117	-	-	ND (0.60)	-	-	ND (0.59)	ND (0.59)	ND (0.59)	-
Isophorone	ug/l	-	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
1-Methylnaphthalene	ug/l	-	-	-	-	-	ND (0.48)	-	-	-	-
2-Methylnaphthalene	ug/l	16.7	-	-	ND (0.51)	-	-	ND (0.50)	ND (0.50)	ND (0.50)	-
2-Nitroaniline	ug/l	-	-	-	ND (1.1)	-	-	ND (1.1)	ND (1.1)	ND (1.1)	-
3-Nitroaniline	ug/l	-	-	-	ND (0.58)	-	-	ND (0.57)	ND (0.57)	ND (0.57)	-
4-Nitroaniline	ug/l	-	-	-	ND (0.72)	-	-	ND (0.72)	ND (0.72)	ND (0.72)	-
Naphthalene	ug/l	1.11	-	-	ND (0.48)	-	ND (0.48)	0.54 J	0.84 J	ND (0.47)	-

Client Sample ID:		KS Tier 2 Risk Based Standards	BLD D RM 1A	BLD D RM 1B	BLD D RM 3	BLD D RM 4	BLD D RM 5A	BLD D RM 5C	BLD D RM 5D	BLD D RM 6A	BLD D RM 6B
Lab Sample ID:		Residential	FA12620-1	FA12620-2	FA12620-9	FA12620-10	FA12620-3	FA12620-5	FA12620-6	FA12620-7	FA12620-8
Date Sampled:		GW (KDHE 03/2014)	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014
Matrix:			Water	Water	Water	Water	Water	Water	Water	Water	Water
Nitrobenzene	ug/l	1.01	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
N-Nitroso-di-n-propylamine	ug/l	-	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
N-Nitrosodiphenylamine	ug/l	-	-	-	ND (0.51)	-	-	ND (0.50)	ND (0.50)	ND (0.50)	-
Phenanthrene	ug/l	-	-	-	ND (0.57)	-	ND (0.57)	ND (0.56)	ND (0.56)	0.65 J	-
Pyrene	ug/l	202	-	-	ND (0.78)	-	-	ND (0.77)	ND (0.77)	ND (0.77)	-
1,2,4-Trichlorobenzene	ug/l	70	-	-	ND (0.48)	-	-	ND (0.47)	ND (0.47)	ND (0.47)	-
GC Semi-volatiles (SW846 8081B)											
alpha-Chlordane	ug/l	-	ND (0.0048)	ND (0.0049)	-	-	-	-	-	-	ND (0.0048)
gamma-Chlordane	ug/l	-	ND (0.0048)	ND (0.0049)	-	-	-	-	-	-	ND (0.0048)
GC Semi-volatiles (SW846 8082A)											
Aroclor 1016	ug/l	-	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.19)	ND (2.0)	-	-	ND (0.19)	ND (0.19)
Aroclor 1221	ug/l	-	ND (0.24)	ND (0.25)	ND (0.24)	ND (0.24)	ND (2.5)	-	-	ND (0.24)	ND (0.24)
Aroclor 1232	ug/l	-	ND (0.24)	ND (0.25)	ND (0.24)	ND (0.24)	ND (2.5)	-	-	ND (0.24)	ND (0.24)
Aroclor 1242	ug/l	-	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.19)	ND (2.0)	-	-	ND (0.19)	ND (0.19)
Aroclor 1248	ug/l	-	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.19)	ND (2.0)	-	-	ND (0.19)	ND (0.19)
Aroclor 1254	ug/l	-	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.19)	ND (2.0)	-	-	ND (0.19)	ND (0.19)
Aroclor 1260	ug/l	-	0.73	0.32 J	2.1	ND (0.19)	ND (2.0)	-	-	0.24 J	ND (0.19)
Metals Analysis											
Antimony	ug/l	6	7.2	<6.0	<6.0	10.1	7.3	<6.0	<6.0	-	<6.0
Arsenic	ug/l	10	<10	<10	<10	-	<10	<10	<10	-	<10
Barium	ug/l	2000	<200	-	-	-	-	-	-	-	-
Cadmium	ug/l	5	7.4	<5.0	6.9	16.2	5.3	<5.0	<5.0	16.3	5.5
Chromium	ug/l	100	52.7	31.8	154	370	160	29.9	<10	-	53.6
Cobalt	ug/l	4.68	<50	<50	<50	<50	<50	<50	<50	-	<50
Copper	ug/l	1300	42.6	-	-	-	-	-	-	-	-
Iron	ug/l	-	4550	3970	3760	2260	3490	969	328	3860	3810
Lead	ug/l	15	215	124	421	753	124	41.9	13.7	226	171
Manganese	ug/l	50	174	185	104	218	82.4	26.4	<15	148	95.8
Mercury	ug/l	2	1.4	1	5.5	4.6	1.6	<0.50	<0.50	2	1
Potassium	ug/l	-	-	12800	13800	19800	23600	<10000	<10000	14600	<10000

Client Sample ID:		KS Tier 2 Risk Based Standards	BLD D RM 1A	BLD D RM 1B	BLD D RM 3	BLD D RM 4	BLD D RM 5A	BLD D RM 5C	BLD D RM 5D	BLD D RM 6A	BLD D RM 6B
Lab Sample ID:		Residential	FA12620-1	FA12620-2	FA12620-9	FA12620-10	FA12620-3	FA12620-5	FA12620-6	FA12620-7	FA12620-8
Date Sampled:		GW (KDHE	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014
Matrix:		03/2014)	Water	Water	Water	Water	Water	Water	Water	Water	Water
Sodium	ug/l	-	124000	115000	107000	178000	2120000	109000	95100	164000	114000
Strontium	ug/l	-	287	300	285	280	328	224	203	274	226
Titanium	ug/l	-	337	83	77.6	48.1	68.9	12.8	<10	35.1	27.5
Vanadium	ug/l	-	<50	-	-	-	-	-	-	-	-
Zinc	ug/l	4670	830	-	-	-	-	-	-	-	-
Client Sample ID:		KS Tier 2 Risk Based Standards	TRIP BLANK								
Lab Sample ID:		Residential	FA12620-4								
Date Sampled:		GW (KDHE	2/19/2014								
Matrix:		10/2010)	Trip Blank Water								
GC/MS Volatiles (SW846 8260B)											
Acetone	ug/l	11500	ND (11)								
Acrolein	ug/l	0.0415	ND (6.4)								
Acrylonitrile	ug/l	0.491	ND (2.0)								
Benzene	ug/l	5	ND (0.24)								
Bromobenzene	ug/l	-	ND (0.31)								
Bromochloromethane	ug/l	-	ND (0.38)								
Bromodichloromethane	ug/l	80	ND (0.26)								
Bromoform	ug/l	80	ND (0.38)								
n-Butylbenzene	ug/l	33.8	ND (0.30)								
sec-Butylbenzene	ug/l	30.5	ND (0.27)								
tert-Butylbenzene	ug/l	-	ND (0.29)								
Chlorobenzene	ug/l	100	ND (0.24)								
Chloroethane	ug/l	14000	ND (0.50)								
Chloroform	ug/l	80	ND (0.31)								
o-Chlorotoluene	ug/l	88.9	ND (0.23)								
p-Chlorotoluene	ug/l	-	ND (0.29)								
2-Chloroethyl vinyl ether	ug/l	-	ND (1.0) ^a								
Carbon disulfide	ug/l	716	ND (0.20)								
Carbon tetrachloride	ug/l	5	ND (0.40)								
1,1-Dichloroethane	ug/l	25	ND (0.26)								
1,1-Dichloroethylene	ug/l	7	ND (0.25)								

Client Sample ID:		KS Tier 2 Risk Based Standards	BLD D RM 1A	BLD D RM 1B	BLD D RM 3	BLD D RM 4	BLD D RM 5A	BLD D RM 5C	BLD D RM 5D	BLD D RM 6A	BLD D RM 6B
Lab Sample ID:		Residential	FA12620-1	FA12620-2	FA12620-9	FA12620-10	FA12620-3	FA12620-5	FA12620-6	FA12620-7	FA12620-8
Date Sampled:		GW (KDHE	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014
Matrix:		03/2014)	Water	Water	Water	Water	Water	Water	Water	Water	Water
1,1-Dichloropropene	ug/l	-	ND (0.28)								
1,2-Dibromo-3-chloropropane	ug/l	0.2	ND (0.78)								
1,2-Dibromoethane	ug/l	0.05	ND (0.24)								
1,2-Dichloroethane	ug/l	5	ND (0.24)								
1,2-Dichloropropane	ug/l	5	ND (0.36)								
1,3-Dichloropropane	ug/l	-	ND (0.34)								
2,2-Dichloropropane	ug/l	-	ND (0.33)								
Dibromochloromethane	ug/l	80	ND (0.36)								
Dichlorodifluoromethane	ug/l	366	ND (0.33)								
cis-1,2-Dichloroethylene	ug/l	70	ND (0.33)								
cis-1,3-Dichloropropene	ug/l	-	ND (0.21)								
m-Dichlorobenzene	ug/l	-	ND (0.20)								
o-Dichlorobenzene	ug/l	600	ND (0.29)								
p-Dichlorobenzene	ug/l	75	ND (0.20)								
trans-1,2-Dichloroethylene	ug/l	100	ND (0.34)								
trans-1,3-Dichloropropene	ug/l	-	ND (0.21)								
Ethylbenzene	ug/l	700	ND (0.28)								
2-Hexanone	ug/l	-	ND (2.0)								
Hexachlorobutadiene	ug/l	6.32	ND (0.50)								
Isopropylbenzene	ug/l	451	ND (0.20)								
p-Isopropyltoluene	ug/l	-	ND (0.24)								
4-Methyl-2-pentanone	ug/l	1020	ND (1.0)								
Methyl bromide	ug/l	7	ND (0.54)								
Methyl chloride	ug/l	127	ND (0.53)								
Methylene bromide	ug/l	-	ND (0.29)								
Methylene chloride	ug/l	5	ND (2.0)								
Methyl ethyl ketone	ug/l	4920	ND (1.5)								
Methyl Tert Butyl Ether	ug/l	133	ND (0.20)								
Naphthalene	ug/l	1.11	ND (1.0)								
n-Propylbenzene	ug/l	660	ND (0.24)								
Styrene	ug/l	100	ND (0.23)								
1,1,1,2-Tetrachloroethane	ug/l	5.35	ND (0.25)								
1,1,1-Trichloroethane	ug/l	200	ND (0.34)								
1,1,2,2-Tetrachloroethane	ug/l	0.694	ND (0.27)								
1,1,2-Trichloroethane	ug/l	5	ND (0.32)								
1,2,3-Trichlorobenzene	ug/l	-	ND (0.50)								

Client Sample ID:		KS Tier 2 Risk Based Standards	BLD D RM 1A	BLD D RM 1B	BLD D RM 3	BLD D RM 4	BLD D RM 5A	BLD D RM 5C	BLD D RM 5D	BLD D RM 6A	BLD D RM 6B
Lab Sample ID:		Residential	FA12620-1	FA12620-2	FA12620-9	FA12620-10	FA12620-3	FA12620-5	FA12620-6	FA12620-7	FA12620-8
Date Sampled:		GW (KDHE	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014
Matrix:		03/2014)	Water	Water	Water	Water	Water	Water	Water	Water	Water
1,2,3-Trichloropropane	ug/l	0.00468	ND (0.57)								
1,2,4-Trichlorobenzene	ug/l	70	ND (0.50)								
1,2,4-Trimethylbenzene	ug/l	8.44	ND (0.24)								
1,3,5-Trimethylbenzene	ug/l	44	ND (0.20)								
Tetrachloroethylene	ug/l	5	ND (0.26)								
Toluene	ug/l	1000	0.24 J								
Trichloroethylene	ug/l	5	ND (0.30)								
Trichlorofluoromethane	ug/l	1090	ND (0.50)								
Vinyl chloride	ug/l	2	ND (0.33)								
Vinyl Acetate	ug/l	406	ND (2.0) ^a								
m,p-Xylene	ug/l	10000	ND (0.48)								
o-Xylene	ug/l	10000	ND (0.20)								
Footnotes:											
^a Associated BS recovery outside control limits.											
Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. Accutest assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.											

Accutest Laboratories			
Job Number:	FA12103R		
Account:	ISI Environmental Services		
Project:	Clean Harbors; Wichita, KS		
Project Number:			
Legend:		Detection	Exceed
Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 03/2014)	BLD D RM 5A
Lab Sample ID:			FA12103-8FR
Date Sampled:			1/30/2014
Matrix:			Water Filtered
Metals Analysis			
Chromium	ug/l	100	158
Cobalt	ug/l	4.68	76
Lead	ug/l	15	10.4
Footnotes:			
^a Associated BS recovery outside control limits.			
^b Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.			
^c Elevated reporting limit(s) due to matrix interference.			
Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. Accutest assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation.			
It is the responsibility of the user to verify these limits before using or reporting any data.			

Accutest Laboratories Southeast, Inc.				
Job Number:	FA12080			
Account:	ISI Environmental Services			
Project:	Clean Harbors; Wichita, KS			
Project Number:	SUMMIT - FA12080			
Legend:			Detection	Exceed
Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 03/2014)	Bld D Rms 1A & 1B ⁽¹⁾	Bld D Rms 5A-5D ⁽²⁾
Lab Sample ID:			6X	9X
Date Sampled:			1/30/2014	1/30/2014
Matrix:			Water	Water
DIOXIN / FURANS RESULTS				
2378-TCDF	pg/L	-	70	51.0
12378-PeCDF	pg/L	-	7.9	8.0
23478-PeCDF	pg/L	-	14	9.8
123478-HxCDF	pg/L	-	45	18
123678-HxCDF	pg/L	-	18	13
234678-HxCDF	pg/L	-	16	11
123789-HxCDF	pg/L	-	ND(5.0)	7.6
1234678-HpCDF	pg/L	-	350	160
1234789-HpCDF	pg/L	-	38	ND(5.0)
OCDF	pg/L	4930000	1100	530
2378-TCDD	pg/L	30	3.3	ND(1.0)
12378-PeCDD	pg/L	-	8.6	ND(5.0)
123478-HxCDD	pg/L	-	20	16
123678-HxCDD	pg/L	-	60	32
123789HxCDD	pg/L	-	23	12
1234678-HpCDD	pg/L	-	3200	1300
OCDD	pg/L	-	39000	17000

Notes:

(1) - Sample was a composite of Rinse Water from Building D - Rooms (RM) 1A and 1B.

(2) - Sample was a composite of Rinse Water from Building D - Rooms (RM) 5A, 5B, 5C, and 5D.